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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/722,616

11/27/2000

Pekka Ketola

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4955

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05/24/2004

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EXAMINER

NGUYEN, SIMON

ART UNIT

PAPER NUMBER

2685

11

DATE MAILED: 05/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/722,616

Applicant(s)

KETOLA ET AL.

Examiner

SIMON D NGUYEN

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2685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 3, 6, 8-9, 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pivowar et al. (6,553,037) in view of Pivowar et al. (6,466,236).

Regarding claim 1, Pivowar discloses a system, within a wireless telecommunication network (figs. 1, 3, column 5 lines 5-10), comprising: at least one master mobile terminal (APDA), each of which is responsive to user input (column 4 line 32, column 5 lines 54-56), and each of which is for providing an outgoing radio signal (inherently), wherein the outgoing radio signal synchronously shares information about at least one internally controlled shared document (example, a personal calendar) that is exclusively controlled by the master mobile terminal; and at least one slave terminal (BPDA), responsive to the outgoing radio signal, for providing the shared document, wherein the shared document provides a synchronous controlled shared document as the master terminal manipulates or updates (column 4 lines 16-67, column 5 lines 11-67). It should be noted that each PDA including a display (column 4 line 29) for synchronously sharing document, which is obviously used for viewing the shared

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document. However, Pivowar does not specifically disclose a view of the shared document on the display.

Pivowar, in a same field of invention but different reference, discloses each PDA having a display that allows each user to view and edit various scheduled matters on a single shared group calendar (column 2 lines 8-13, column 5 lines 33-40). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to combine the teaching of viewing and editing of a shared group calendar of Pivowar in a PDA to edit a group calendar with consent of all users in a real-time in order to prevent disorganization amongst various PDA users having a same group calendar.

Regarding claim 3, this claim is rejected for the same reason as set forth in claim 1, wherein Pivowar (6,466,236) discloses an input device (104, 108), a display (110), and a signal processor 113 (figs.1-2, column 4 line 36 to column 5 line 40). It should be noted that Pivowar ((6,553,037) discloses that during synchronization, both the contact information and calendar information may be exchanged between different PDA'S (column 5 line44-50) which means the PDA inherently includes a transmitter and a receiver and an antenna is inherently for wirelessly communicate between two PDAs.

Regarding claim 14, this claim is rejected for the same reason as set forth in claim 1.

Regarding claim 6, the modified Pivowar system does not specifically disclose a microphone and a speaker. The examiner takes an official notice that a PDA used as a wireless telephone wherein the wireless telephone inherently includes a speaker and a

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microphone which is known to those skilled in the art in order to receive and transmit voice signal.

Regarding claims 8-9, in the modified Pivowar, Pivowar ((6,466,236) discloses the PDA providing for simultaneously depicting multiple calendars on a single display (abstract, fig.9).

3. Claims 2, 7, 10-13, 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pivowar et al. (6,553,037) in view of Pivowar et al. (6,466,236) as applied to claim 1, and further in view of Namikata et al. (5,996,003).

Regarding claims 2, 7, and 15, in the modified Pivowar system, Pivowar (037) further discloses that during synchronization, the information may be exchanged between the PDAs (column 5 lines 46-50). It should be noted that a PDA equipped as a phone for voice/audio communication is known to those skilled in the art. However, the modified Pivowar system does not specifically disclose the exchanged information is via an audio discussion.

Namikata, in the same field of invention but between computers (abstract), discloses an exchange shared document together with video images and audio information between respective computers (column 1 lines 13-20, fig.1). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have Pivowar, modified Namikata to discuss the shared document on a display prior to update to discuss a change in order to prevent the confusion may be occurred on implementing a change or edit on a shared data.

Regarding claims 10, this claim is rejected for the same reason as set forth in claim 3. However, the modified Pivowar system does not specifically disclose an external shared document memory and an internal shared document memory.

Namikata, in the same filed of invention but between computers discloses a conferencing system in which each terminal comprising: a transmitter (fig.1), a receiver (fig.1), wherein in the transmitter includes an internal controlled shared document (1), a internal document display signal (6), an internal shared document memory (3), wherein the receiver includes an external document display signal (13), and an external shared document memory (10) for providing the synchronized document sharing signal (15) (column 4 line 1 to column 6 line 27). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have Pivowar, modified Namikata to compare an internal document and an external document prior to update in order to prevent unnecessary time to transfer a same document.

Regarding claims 11-12, Povowar discloses server 104 updating the shared document with a group of the PDAs wherein the server acts as an information center (figs. 1, 3, column 5 line 11 to column 6 line 12).

Regarding claim 13, in the modified Povowar system, Namikata discloses an internal shared document memory (3) responsive to the internal document manipulation signal (2) for providing the internal document display signal (6); an external shared document memory (10) responsive to the external document manipulation signal (20) for providing the external document display signal (13) (fig.1, columns 4-5). It should be noted that a PDA using as a telephone including an audio processor, a speaker, and a

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microphone for processing audio signal are known to those skilled in the art. Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have Pivowar, modified Namikata in order to reduce the process time required for data sharing between two communication devices.

4. Claims 4-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pivowar et al. (6,553,037) in view of Pivowar et al. (6,466,236) as applied to claim 1, and further in view of Daufman (6,034,621).

Regarding claims 4-5, Pivowar discloses two PDAs exchanging the shared document (figs.1, 3), therefore, one of these can be the master and the other will be slave. However, Pivowar does not specifically disclose one is the master and other is a slave or vice versa.

Daufman discloses a shared document between a mobile PC and a mobile PDA (fig.3) wherein either the mobile PC or the mobile PDA can be a master or slave depending on the initiation (column 5 lines 8-15). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have the modified Pivowar system, modified by Daufman to edit the shared document initiated by a slave mobile device in order to allow each mobile device updating and synchronizing a shared document at any place.

Response to Arguments

5. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Simon Nguyen whose telephone number is (703) 308-1116. The examiner can normally be reached on Monday-Friday from 7:00 AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban, can be reached on (703) 305-4385.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 306-0377.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Hand-delivered response should be brought to Crystal Park II,
2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

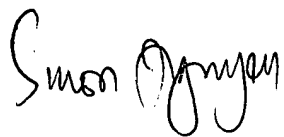
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Simon Nguyen

May 17, 2004

A handwritten signature in black ink that reads "Simon Nguyen". The signature is written in a cursive style with a large, stylized "S" at the beginning.